



PTO/SB/08A (08-03)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/820,423
Filing Date	April 8, 2004
First Named Inventor	Andrew S. Goldsborough
Art Unit	1637
Examiner Name	Joyce Tung
Attorney Docket Number	CGS-101TD1

Sheet 1 of 1

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US-			
	U2	US-			
	U3	US-			
	U4	US-			
	U5	US-			
	U6	US-			
	U7	US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
J-T	F1	WO 2000/066605	11-09-2000	Cyclops Genome Sciences Limited	All	
	F2					
	F3					
	F4					
	F5					
	F6					

Examiner  
SignatureDate  
Considered

3/10/07

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet	1	of	2	Attorney Docket Number	CGS-101TD1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.¹	Document Number Number - Kind Code² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
J.T	U1	US-6,867,290	03-15-2005	Goldsborough	All
	U2	US-6,794,140	09-21-2004	Goldsborough	All
✓	U3	US-2006-0147918	07-06-2006	Goldsborough	All
	U4	US-2005-0272679	12-08-2005	Goldsborough	All
	U5	US-			
	U6	US-			
	U7	US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code³	Number⁴ - Kind Code⁵ (if known)			
J.T	F1		WO 2000/075302	12-14-2000	Cyclops Genome Sciences Limited	All
" "	F2		WO 2000/075306	12-14-2000	Cyclops Genome Sciences Limited	All
" "	F3		WO 2000/06605	11-09-2000	Cyclops Genome Sciences Limited	All
✓	F4		WO 2001/094626	12-13-2001	Cyclops Genome Sciences Limited	All
J.T	F5		WO 2005/012522	02-10-2005	Cyclops Genome Sciences Limited	All
	F6					

Examiner Signature	<i>Joyce Tung</i>	Date Considered	10/03/06
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Form 1449 (Modified)	Atty Docket No. US2Goldsborough
Information Disclosure Statement By Applicant	Application No.:
	Inventor Andrew S. Goldsborough
	Group
	Filing Date

#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-Class	Filing Date
J.F.	A	5,707,796	1/13/98	Gold et al.	—	—	—
	B	5,426,180	6/20/95	Kool	—	—	—
	C	5,872,232	2/16/99	Cook et al.	—	—	—
	D	5,859,221	1/12/99	Cook et al.	—	—	—
	E	5,681,726	10/28/97	Huse et al.	—	—	—
	F	5,783,425	7/19/98	Dudycz	—	—	—
J.F.	G	5,660,985	8/26/97	Kirschenheuter et al.	—	—	—

#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
J.F.	H	99/55857	11/4/99	WO	—	—	✓	
J.F.	I	99/36517	7/22/99	WO	—	—		✓
J.T.	J	99/14346	3/25/99	WO	—	—	✓	
J.T.	K	92/03568	3/5/92	WO	—	—	✓	
J.T.	L	98/13526	4/2/98	WO	—	—	✓	

#### Other Documents

Examiner Initial	No.	Author, Title, Place (e.g. Journal) of Publication
J.F.	M	Heidenrich, Olaf et al., "Chemically Modified RNA: Approaches and Applications", The FASEB Journal, January 1993, Vol. 7
	N	Heidenrich, Olaf et al., "High Activity and Stability of Hammerhead Ribozymes Containing 2'-Modified Pyrimidine Nucleosides and Phosphorothioates", The Journal of Biological Chemistry, Vol. 269, No. 3, January 21, pp. 2131-2138, 1994.
J.F.	O	Aurup, Helle et al., "Translation of 2'-Modified mRNA <i>in vitro</i> and <i>in vivo</i> ", Nucleic Acids Research, 1994, Vol. 22, No. 23. pp.4963-4968.
J.F.	P	Xin, Wei et al., "Treatment of Duck Hepatitis B Virus by Antisense Poly-2'-O-(2,4-Dinitrophenyl)-Oligoribonucleotides", Bioenergetics Laboratory, Natural Sciences Center, State University of NY, Buffalo, July 1998
J.F.	Q	Iribarren, Adolfo M. et al., "2'-O-Alkyl Oligoribonucleotides as Antisense Probes", Proc. Natl. Acad. Sci., Vol. 87, pp 7747-7751, October 1990.

J.T	R	Inoue, Hideo et al, "Synthesis and Hybridization Studies on Two Complementary Nona(2'-O-methyl) Ribonucleotides", Faculty of Pharmaceutical Sciences, Hokkaido University, Sapporo 060, Japan, June 1987.
J.T	S	Scherr, Michaela et al., "Synthesis and Properties of Hammerhead Ribozymes Stabilized Against Nucleases by Different 2'-Modifications: Methoxyethoxy-, Fluoro- and Amino Groups", Bioorganic & Medicinal Chemistry Letters, Vol. 7, No. 13, pp. 1791-1796, 1997.
J.T	T	Lewis "Kits take the trickiness out of RNA isolation, purification" The Scientist 11(7):16 Mar. 31, 1997.
J.T	U	OVODOV, S.Y., "mRNA acetylated at 2'-OH-groups of ribose residues is functionally active in the cell-free translation system from wheat embryos", FEBS 270(1,2):111-114 (1990).
J.T	V	PAGRATIS, N.C. et al. "Potent 2'-amino-, and 2'-fluoro-2'-deoxyribonucleotide RNA inhibitors of keratinocyte growth factor", Nature Biotechnology 15(1): 68-73 (1997).
J.T	W	SPROAT, B.S., "Chemistry and applications of oligonucleotide analogues", Journal of Biotechnology 41:221-238 (1995).
Examiner		Date Considered
J.T		10/07/06

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.